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Table 1: In case of printing without color ink

First ink cartridge 500	second ink cartridge 600	ink value for using printing		waste ink value	
		black ink	color ink	black ink	color ink
first	first	a1 (cc)	0 (cc)	$(n2/n1) \times b1$ (cc)	b1 (cc)
	second	a2 (cc)	0 (cc)	$(n2/n1) \times b2$ (cc)	b2 (cc)
	third	a3 (cc)	0 (cc)	$(n2/n1) \times b3$ (cc)	b3 (cc)
total					
	p <sup>th</sup>	ap (cc)	0 (cc)	$(n2/n1) \times bp$ (cc)	bp (cc)
Second (black ink) cartridge		$a1 + (n2/n1) \times b1 = a2 + (n2/n1) \times b2 = \dots = V2$			
First (color ink) cartridge		$b1 + b2 + \dots + bp = \sum bi = V1$			
waste ink value		$(n2/n1) \times \sum bi + \sum bi = ((n2+n1)/n1) \times \sum bi$			

Table 2: In case of printing with color ink

First ink cartridge 500	Second ink cartridge 600	ink value for using printing		waste ink value	
		black ink	color ink	black ink	color ink
frist	frist	d1 (cc)	c1 (cc)	$(n2/n1) \times e1 (cc)$	e1 (cc)
	second	d2 (cc)	c2 (cc)	$(n2/n1) \times e2 (cc)$	e2 (cc)
	p <sup>th</sup>	dq (cc)	cq (cc)	$(n2/n1) \times eq (cc)$	eq (cc)
total			$\sum ci (cc)$	$(n2/n1) \times \sum ei (cc)$	$\sum ei (cc)$
Second (black ink) cartridge		$d1 + (n2/n1) \times e1 = d2 + (n2/n1) \times e2 = \dots = V2$			
First (color ink) cartridge		$(c1 + \dots + cq) + (e1 + \dots + eq) = \sum ci + \sum ei = V1$			
waste ink		$(n2/n1) \times \sum ei + \sum ei = ((n2+n1)/n1) \times \sum ei$			

Fig.1

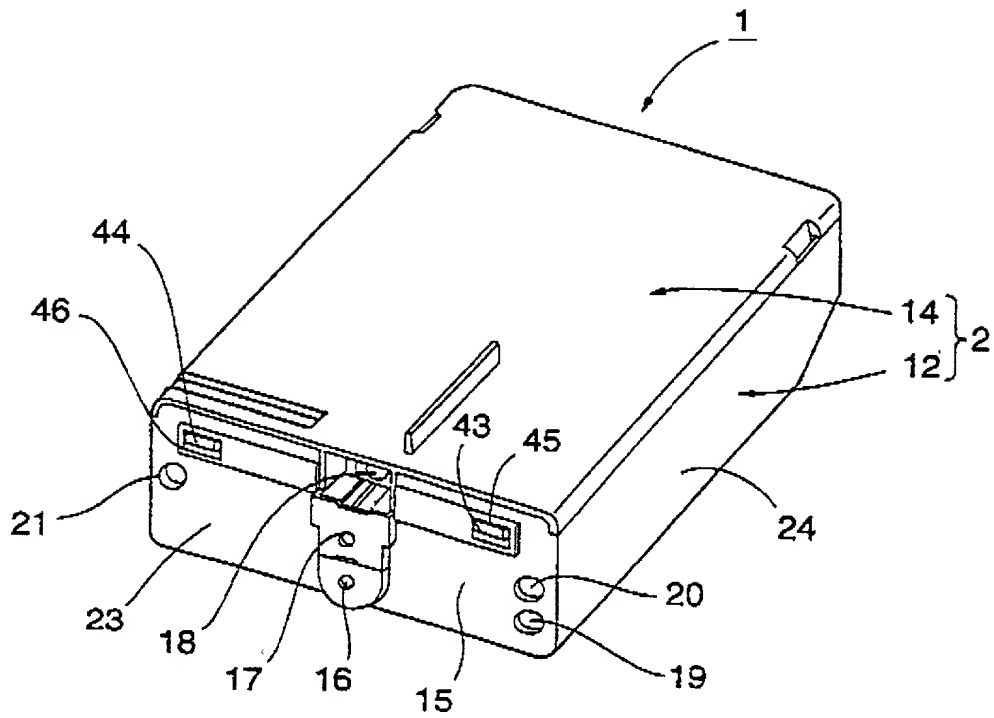


Fig.2

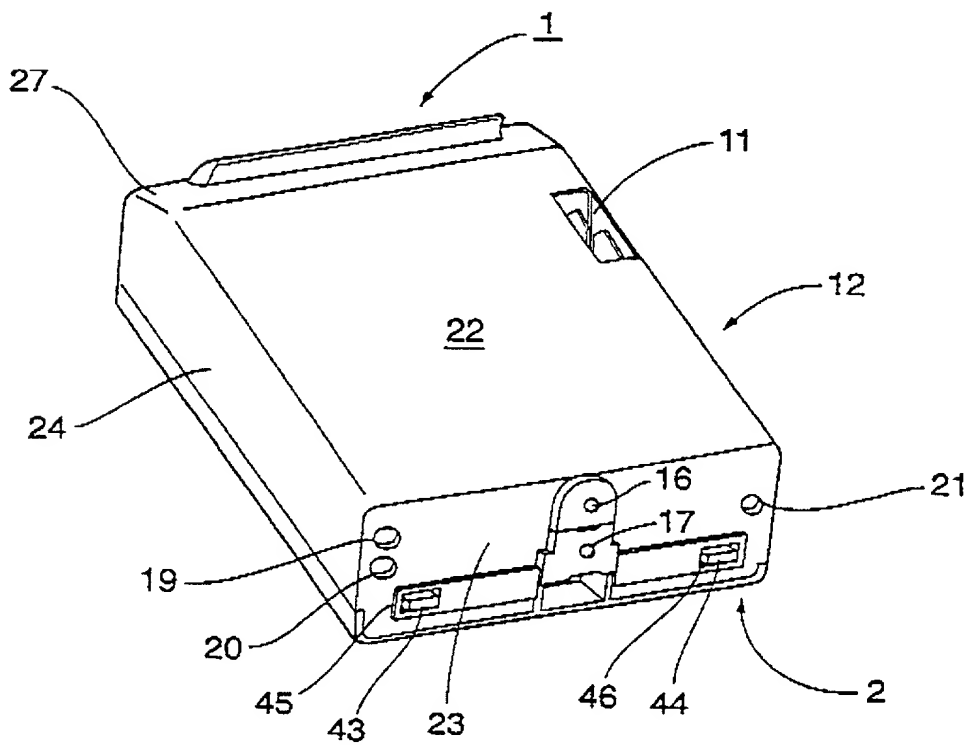


Fig.3

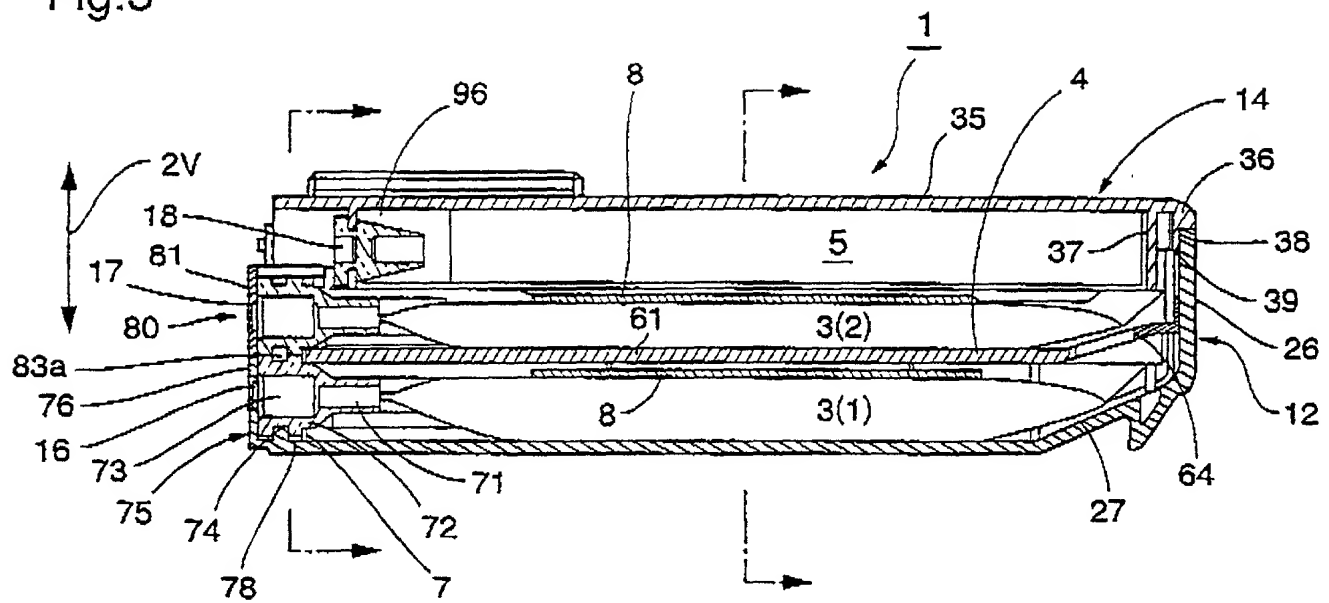


Fig.4

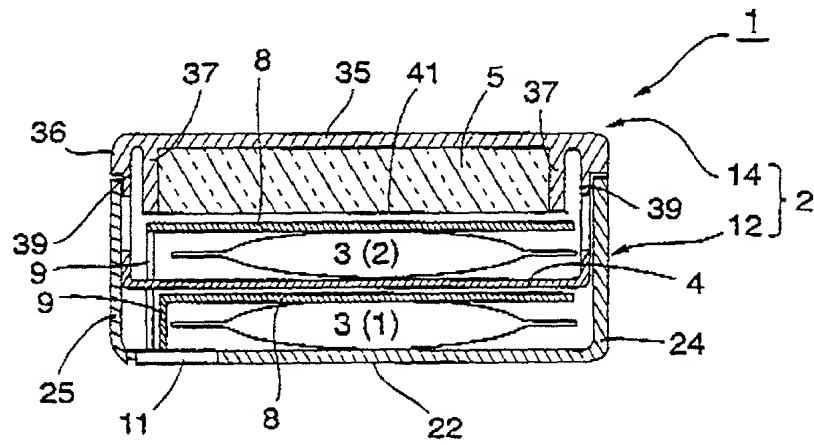
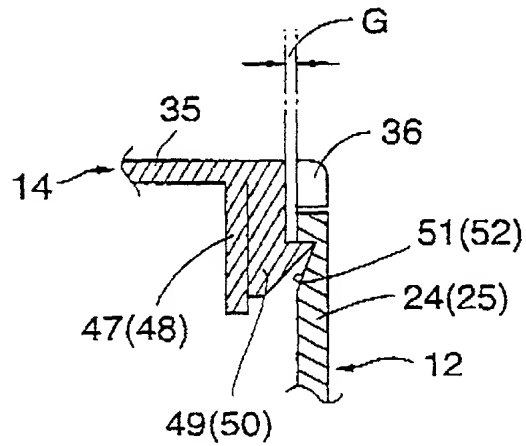


Fig.6



Variable	Mean	SD	Min	Max
Age	35.2	12.5	18	65
Gender	1.2	0.4	1	2
Marital Status	1.5	0.5	1	3
Education	12.8	2.1	9	16
Income	3200	1500	1000	8000
Health Status	1.8	0.6	1	3
Stress Level	2.5	0.8	1	4
Life Satisfaction	3.2	0.9	1	5
Work-Life Balance	2.8	0.7	1	4
Family Support	3.5	0.8	1	5
Community Involvement	2.2	0.6	1	4
Personal Growth	3.0	0.7	1	5
Financial Stability	2.7	0.6	1	4
Emotional Well-being	3.1	0.8	1	5
Physical Health	2.9	0.7	1	4
Social Support	3.3	0.9	1	5
Work Satisfaction	2.6	0.6	1	4
Life Goals Achievement	3.4	0.8	1	5
Overall Quality of Life	3.0	0.7	1	5





Fig.8

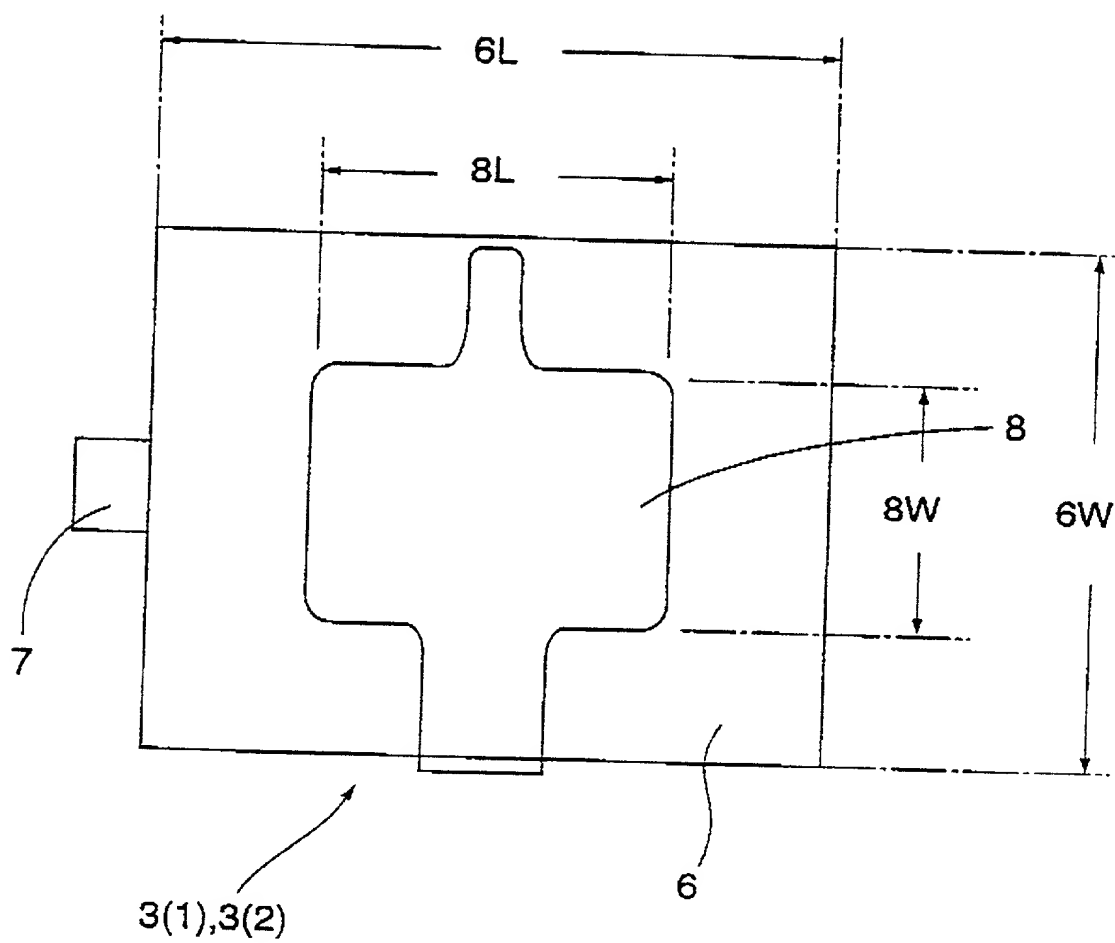
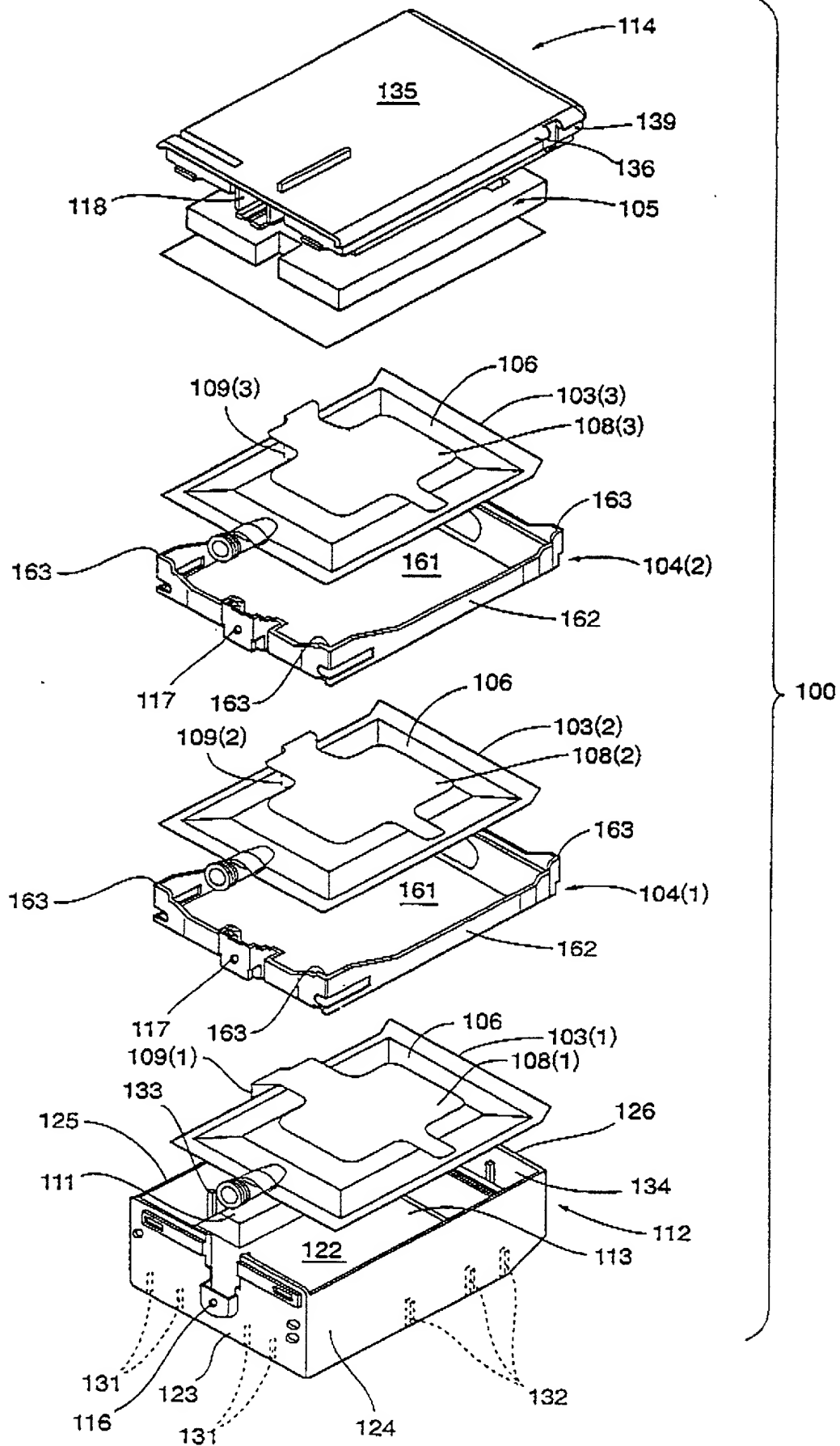


Fig.9



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Fig.10

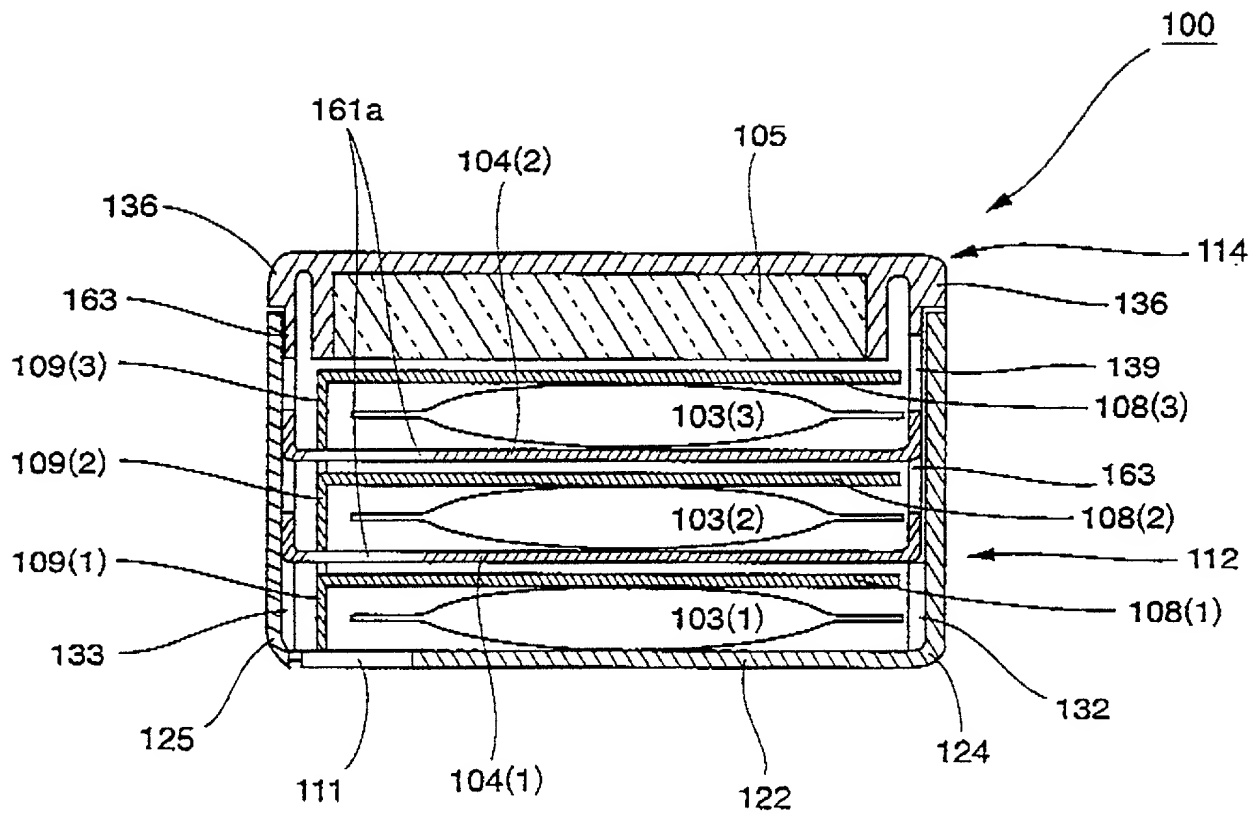


Fig.11

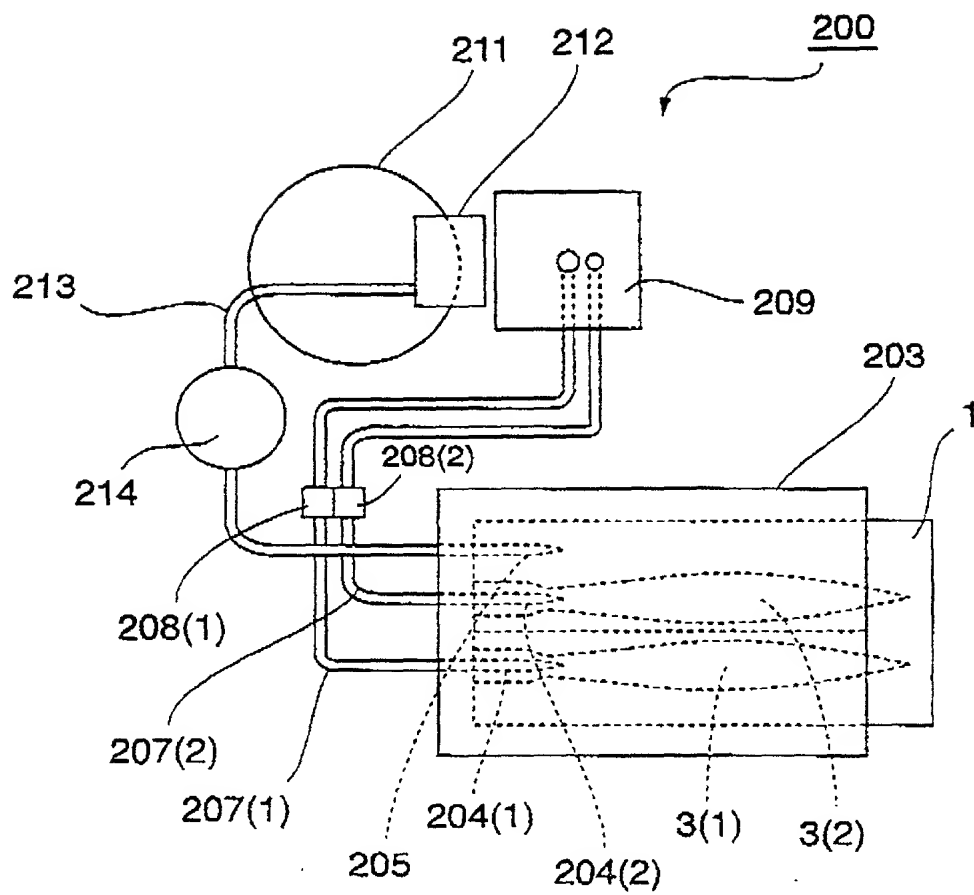
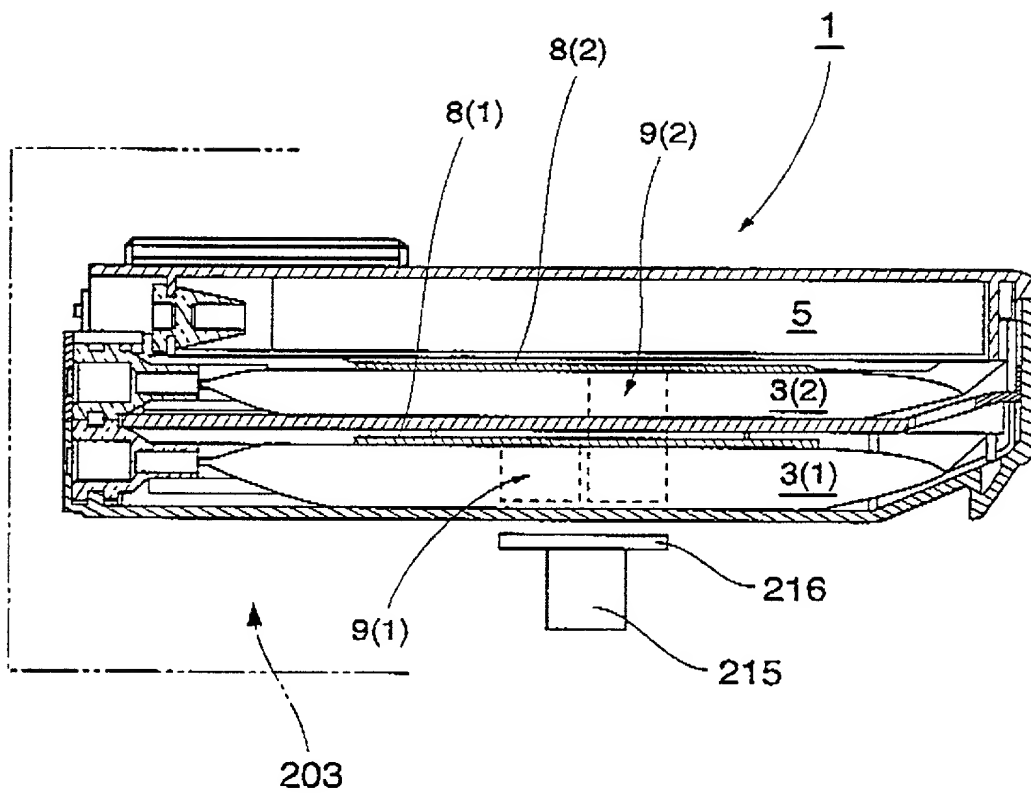


Fig.12





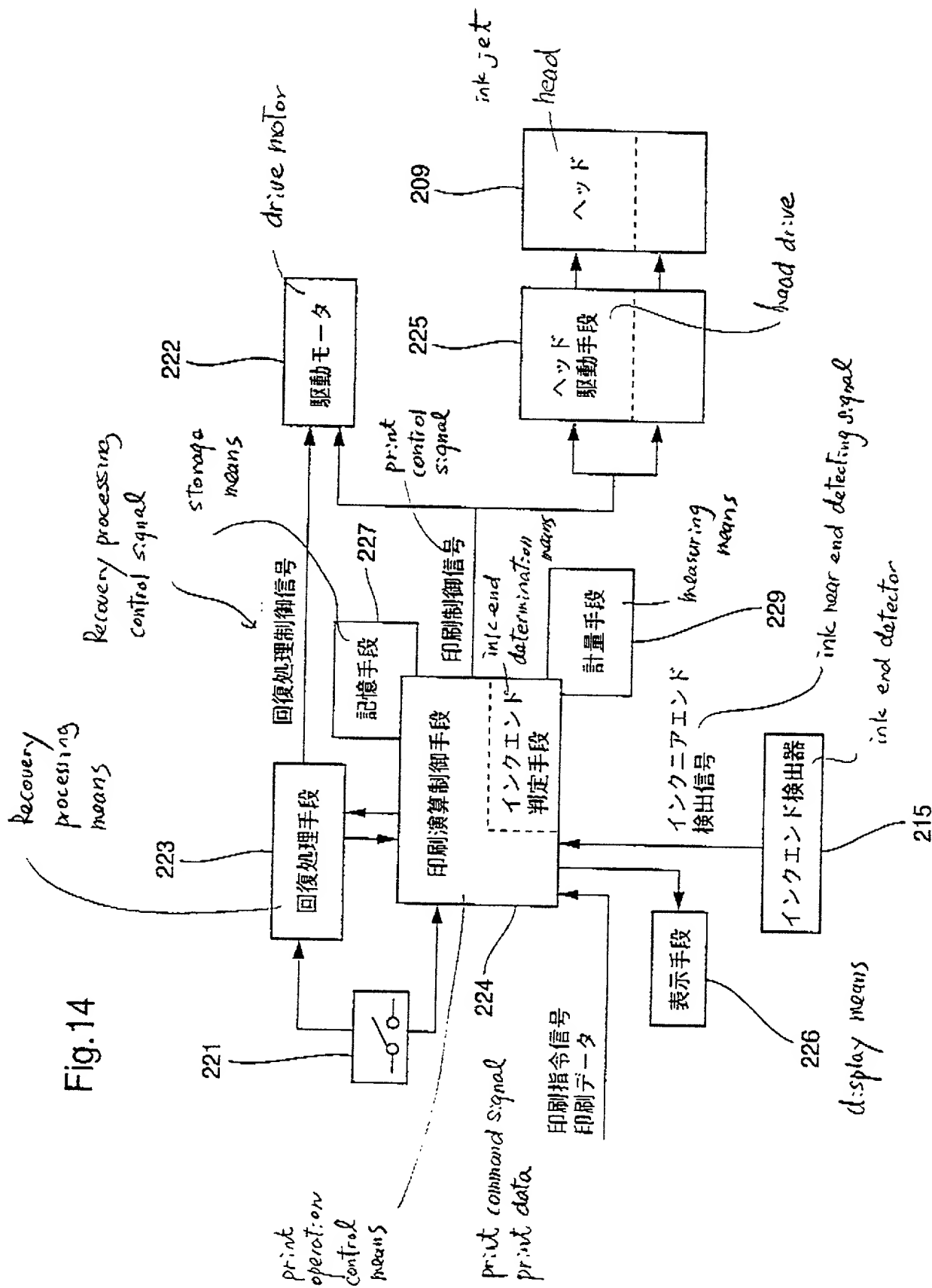


Fig.15

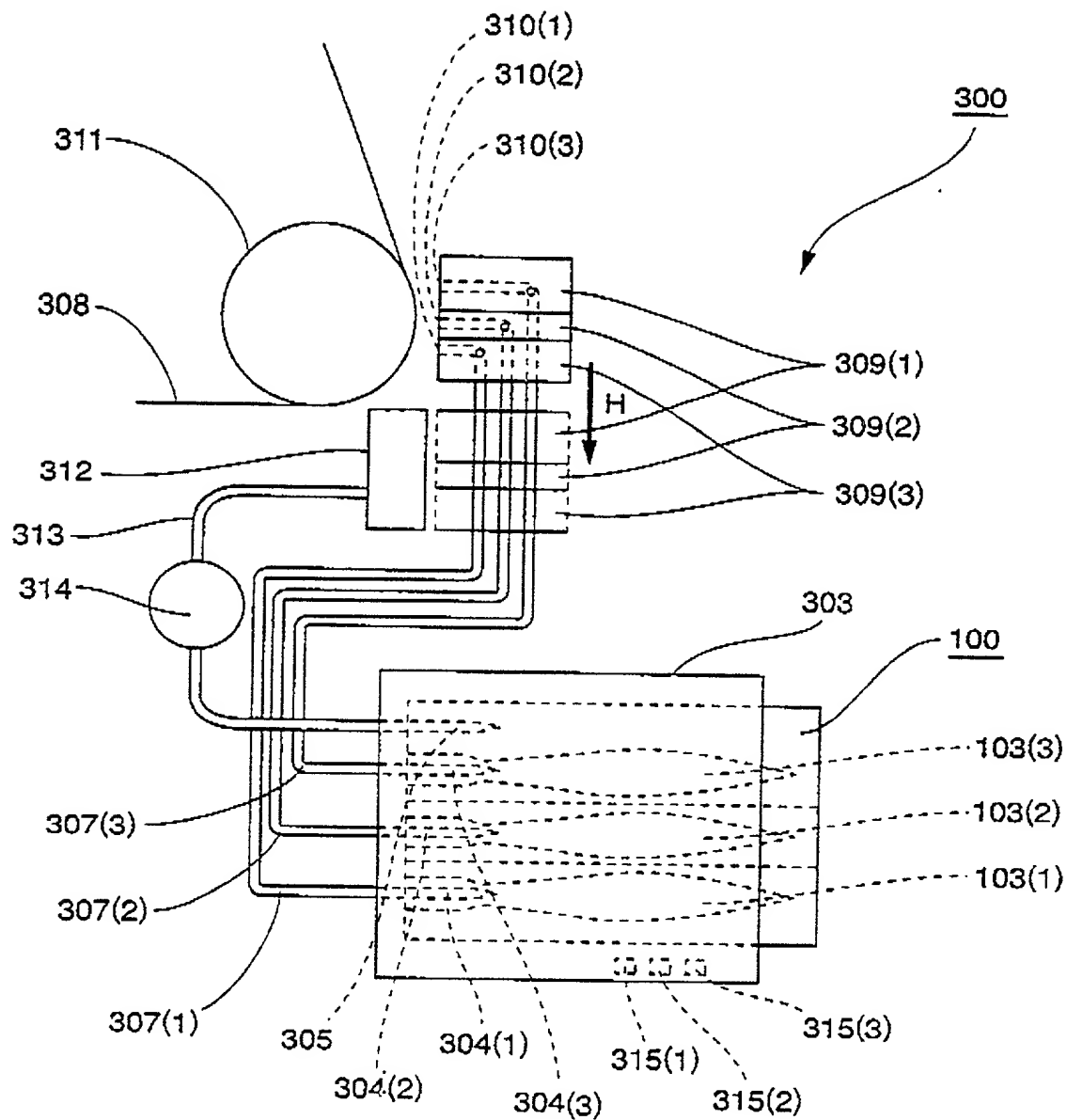


FIG. 15

Fig.16

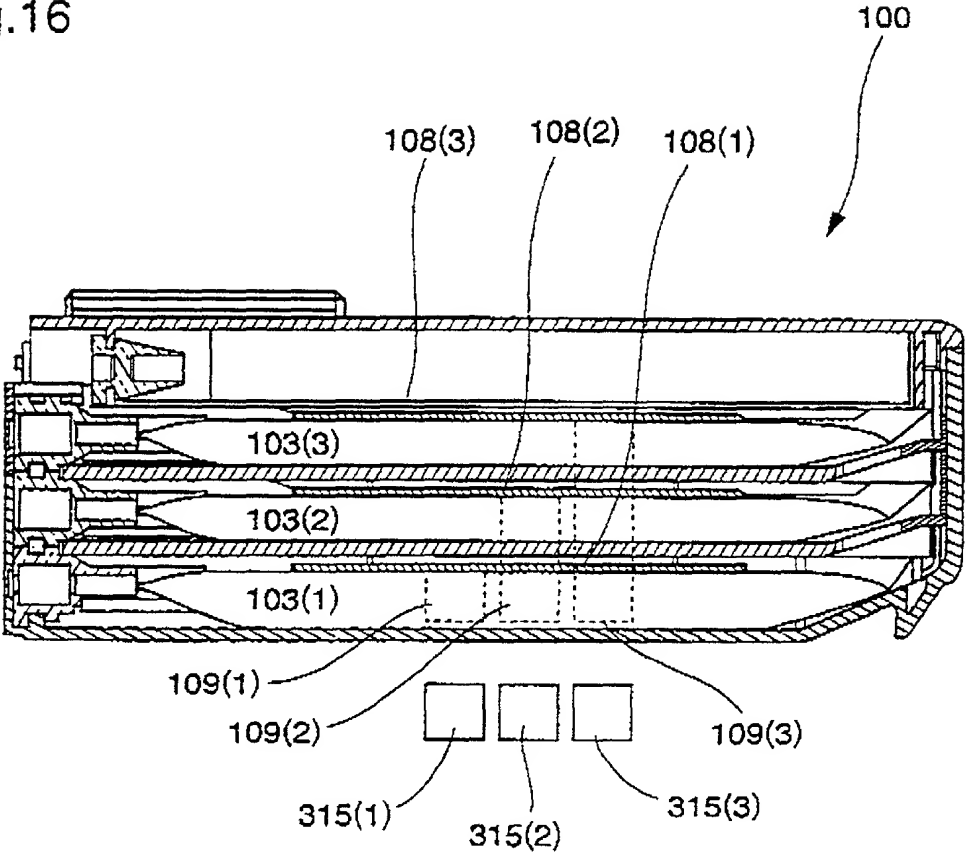


Fig.17

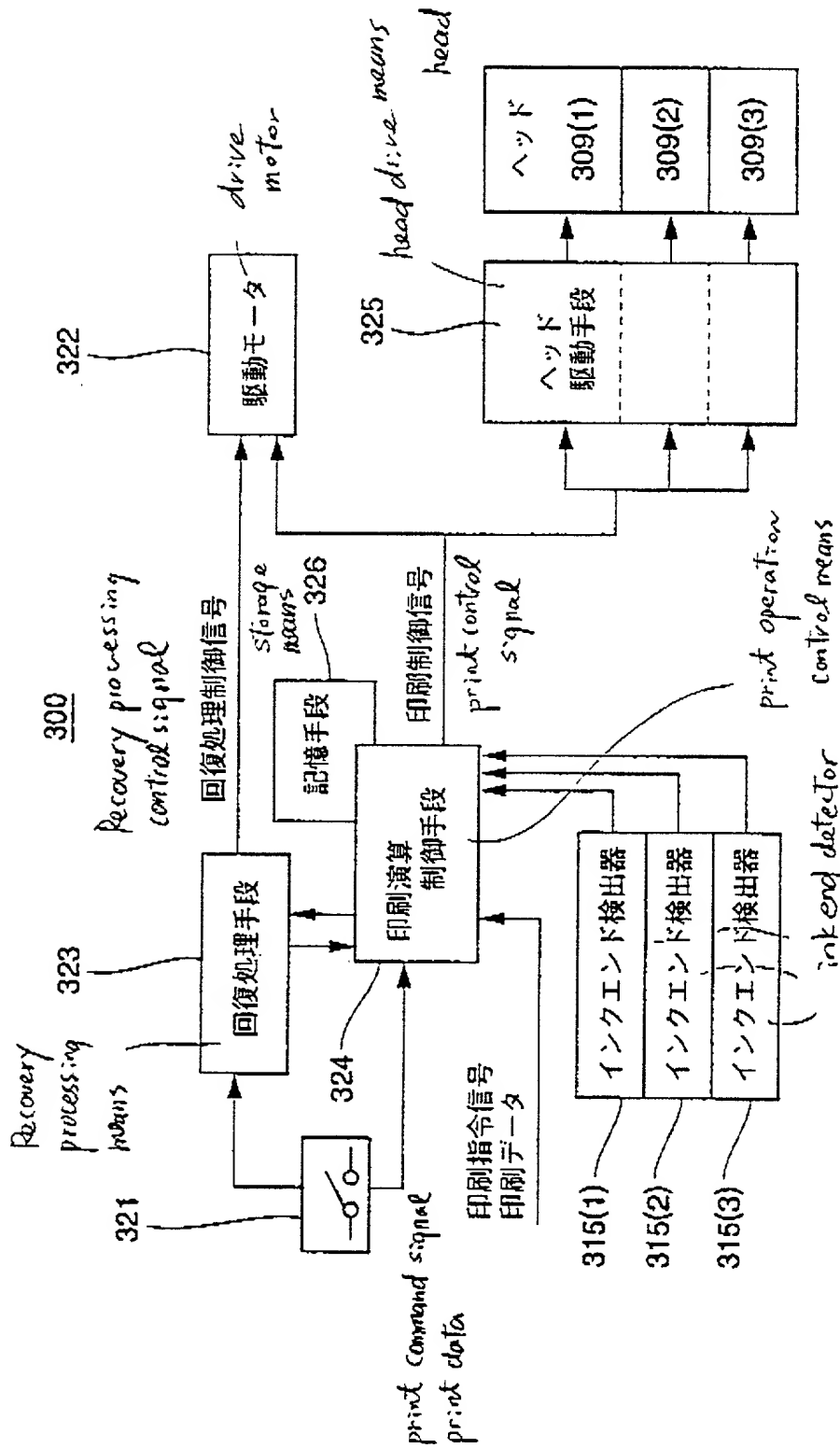




Fig.18

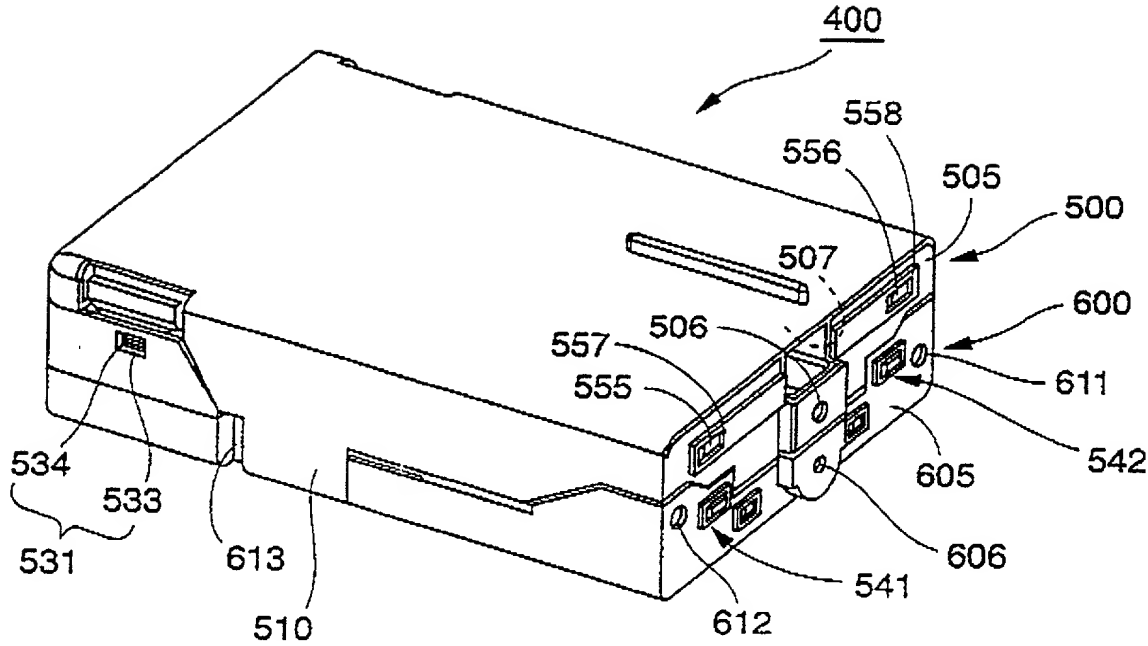
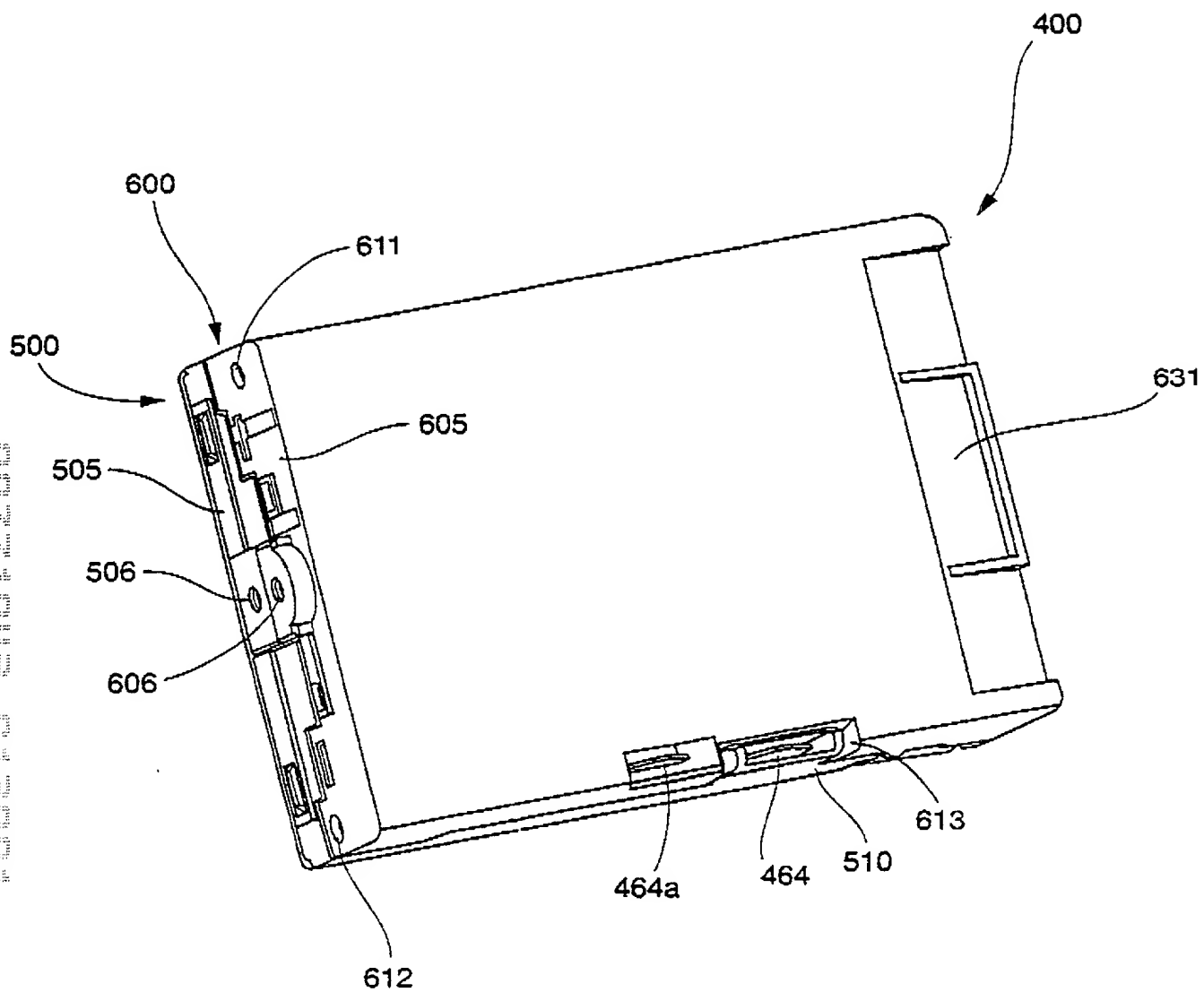


Fig.19





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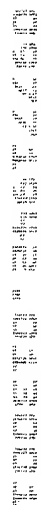


FIG. 22

Fig.22

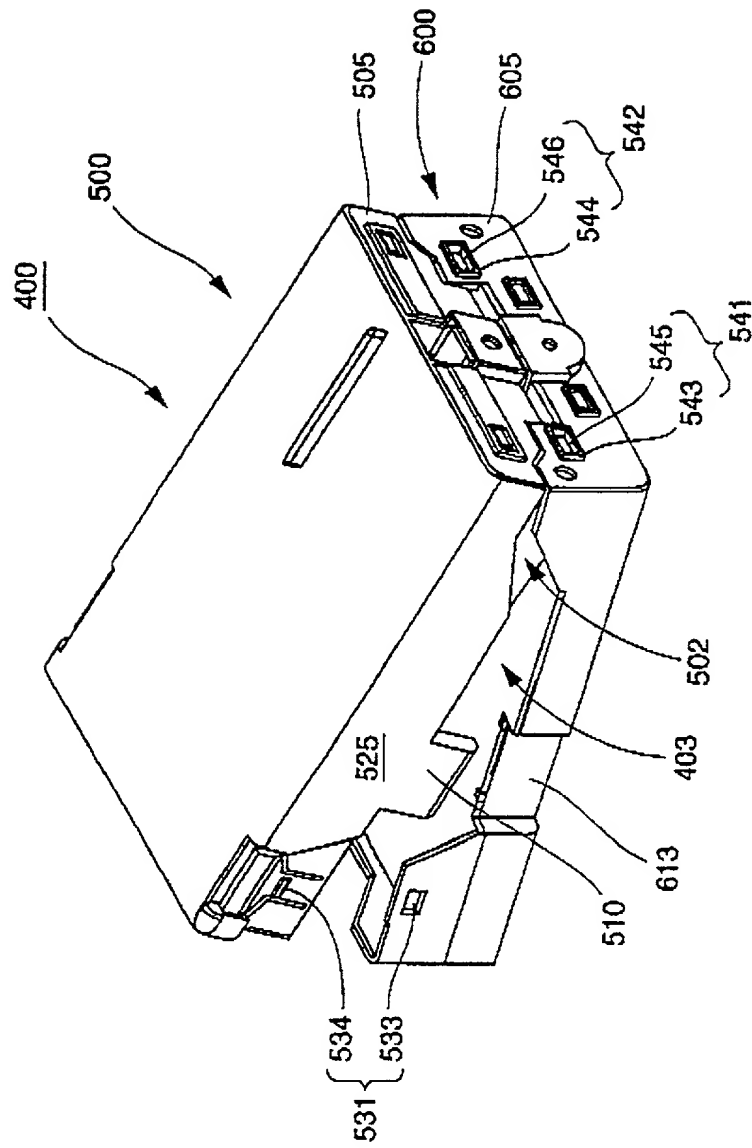


Fig.23

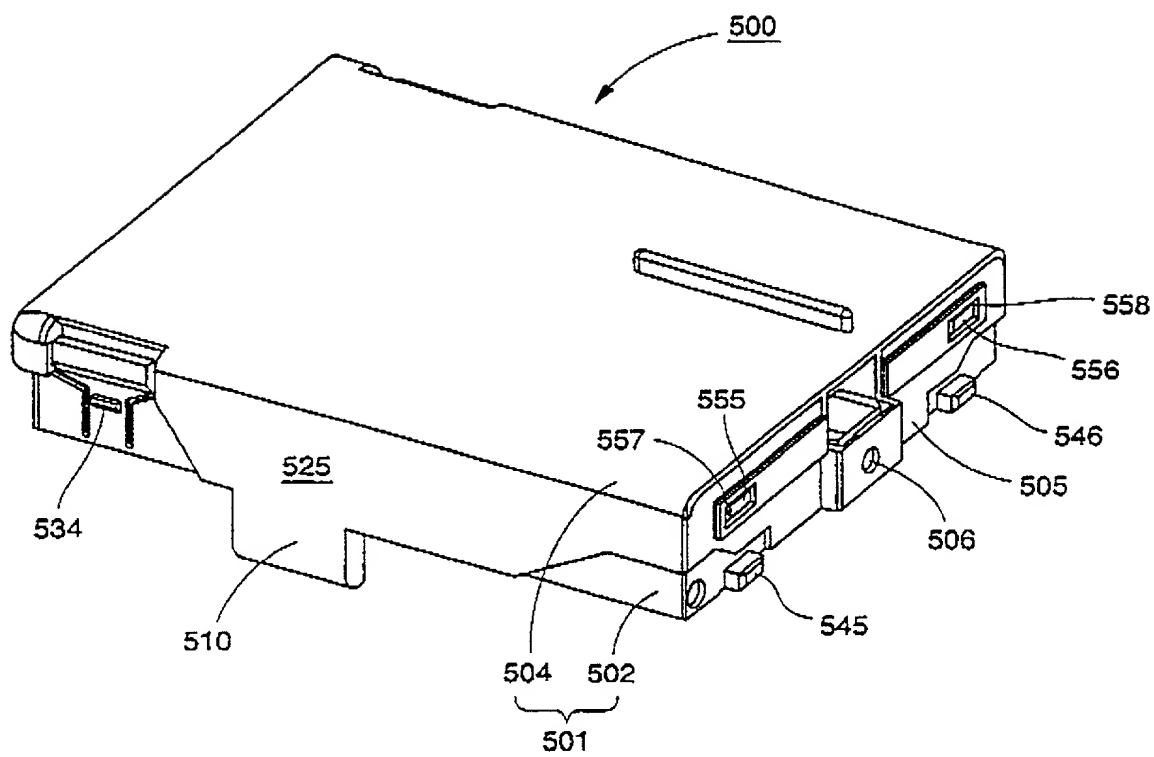


Fig.24

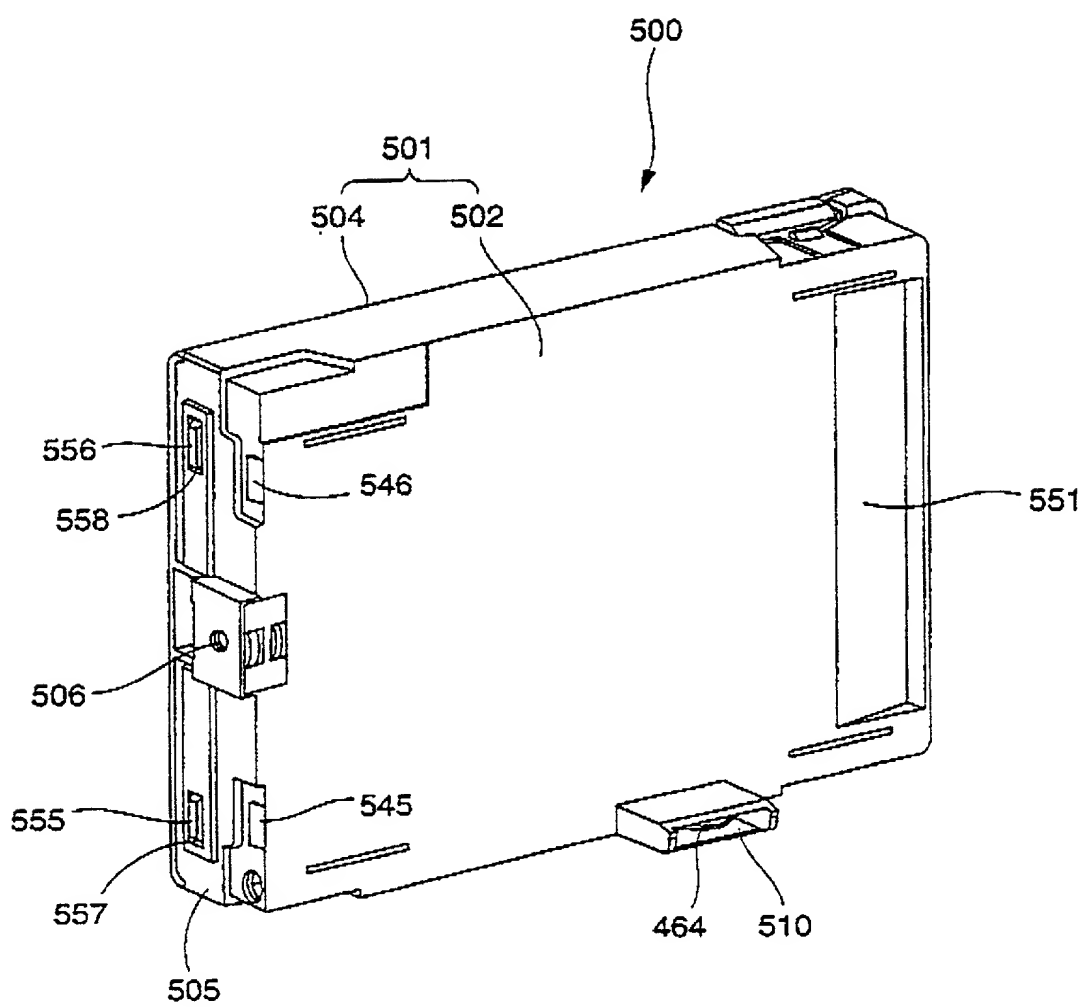


Fig.25

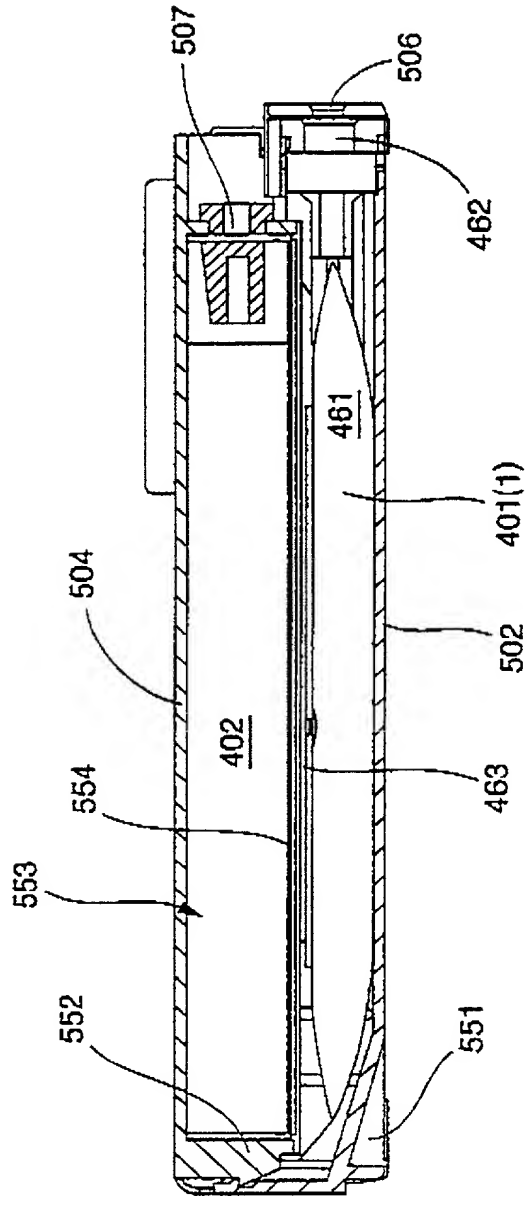




Fig.26

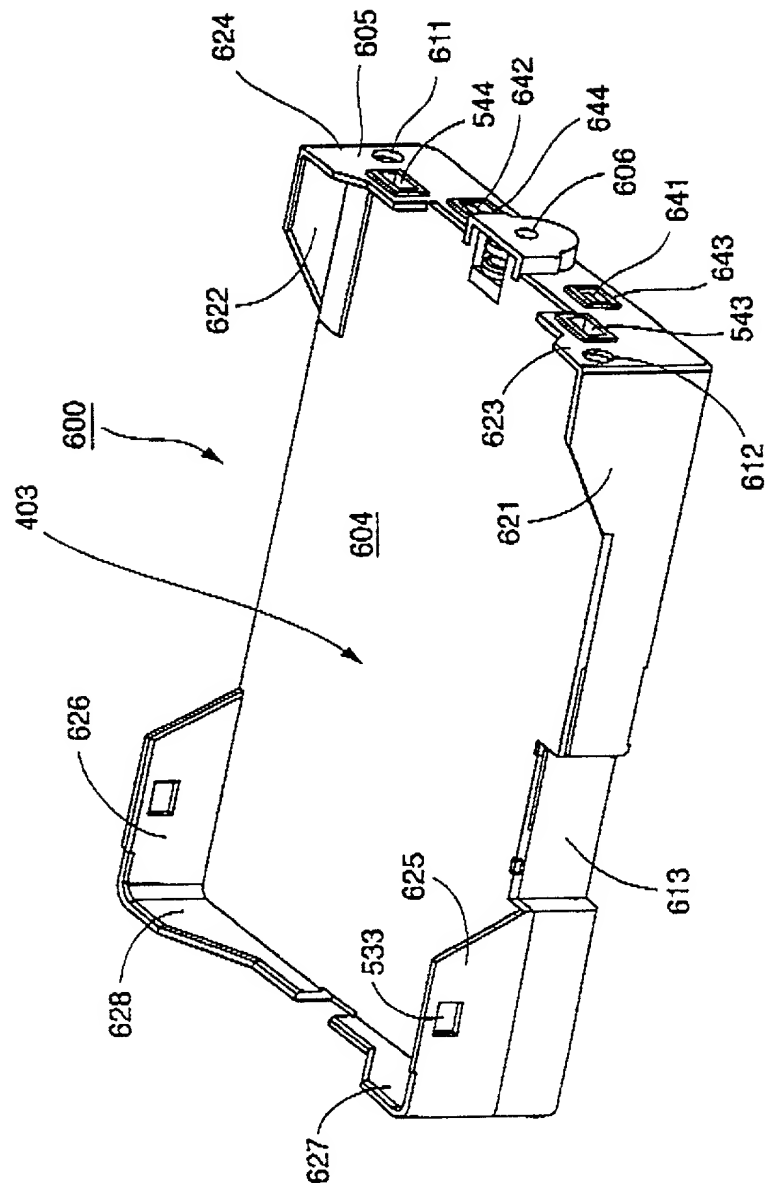


Fig.27

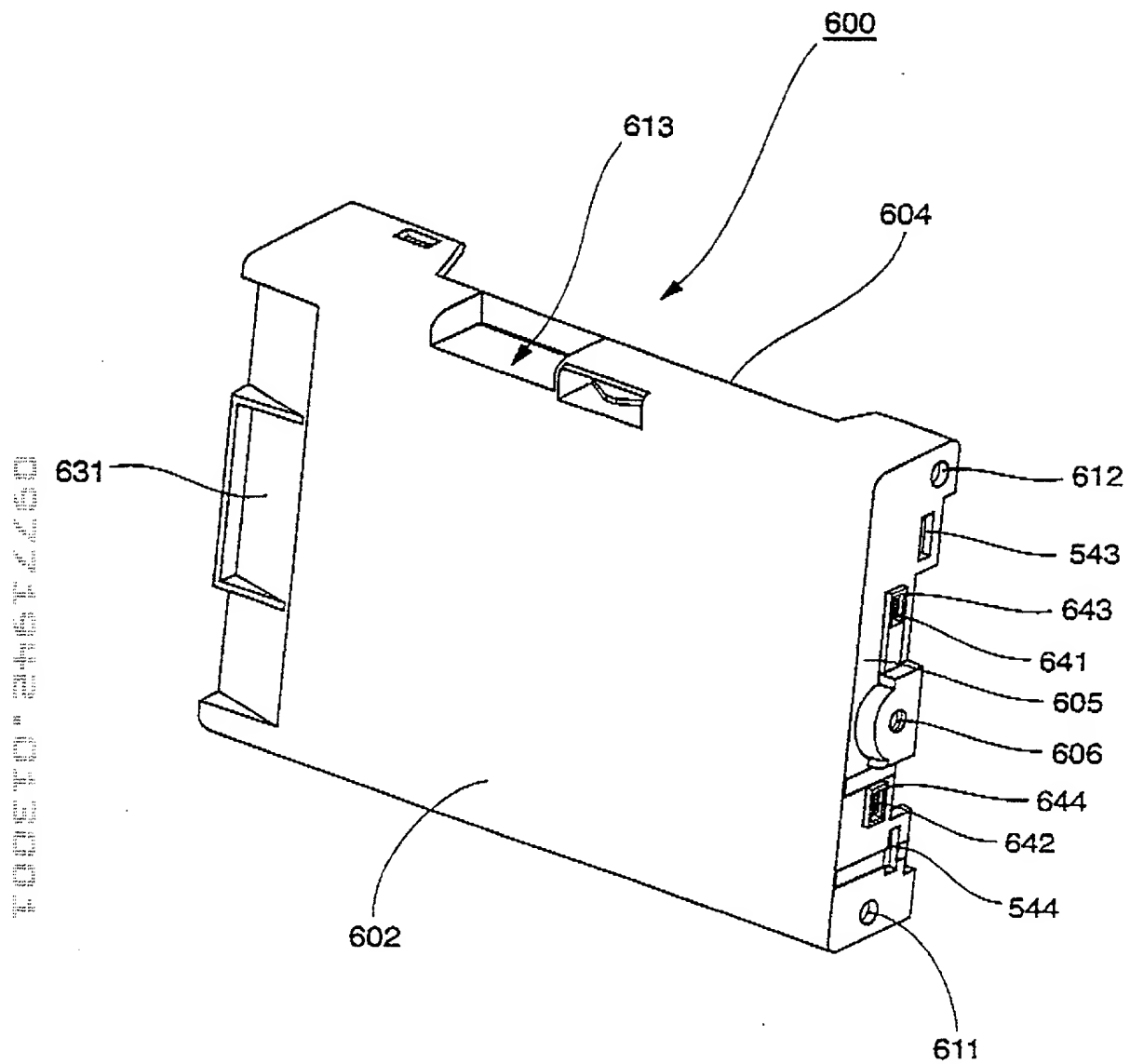


Fig.28

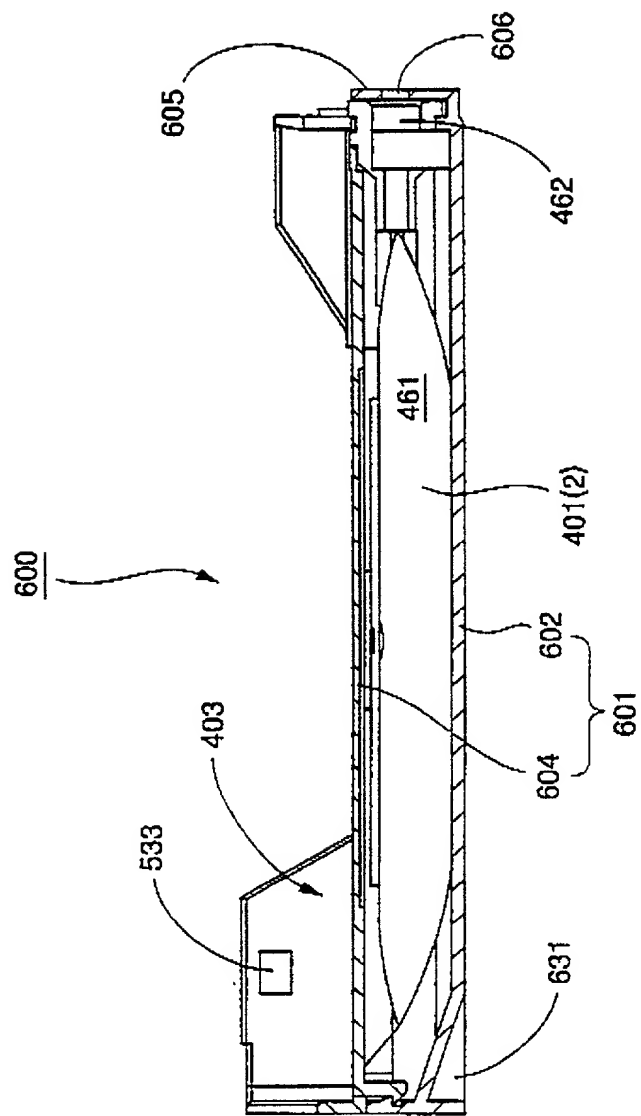


Fig.29

